

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
8 September 2006 (08.09.2006)

PCT

(10) International Publication Number
WO 2006/093333 A1

(51) International Patent Classification:
G06F 17/30 (2006.01)

(21) International Application Number:
PCT/JP2006/304524

(22) International Filing Date: 2 March 2006 (02.03.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2005-061121 4 March 2005 (04.03.2005) JP

(71) Applicant (for all designated States except US):
Kabushiki Kaisha Toshiba [JP/JP]; 1-1, Shibaura
1-chome, Minato-ku, Tokyo, 1058001 (JP).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MINAMINO,**
Noriko [JP/JP]; c/o Intellectual Property Division, Toshiba
Corporation,, 1-1, Shibaura 1-chome, Minato-ku, Tokyo,
1058001 (JP). **MURAYAMA, Hiroshi** [JP/JP]; c/o In-
tellectual Property Division, Toshiba Corporation,, 1-1,
Shibaura 1-chome, Minato-ku, Tokyo, 1058001 (JP).

(74) Agent: **SAKAI, Hiroaki**; Sakai International Patent Of-
fice, Kasumigaseki Building, 2-5, Kasumigaseki 3-chome,
Chiyoda-ku, Tokyo 1006019 (JP).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG,
KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY,
MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO,
NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,
SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VC, VN, YU, ZA, ZM, ZW.

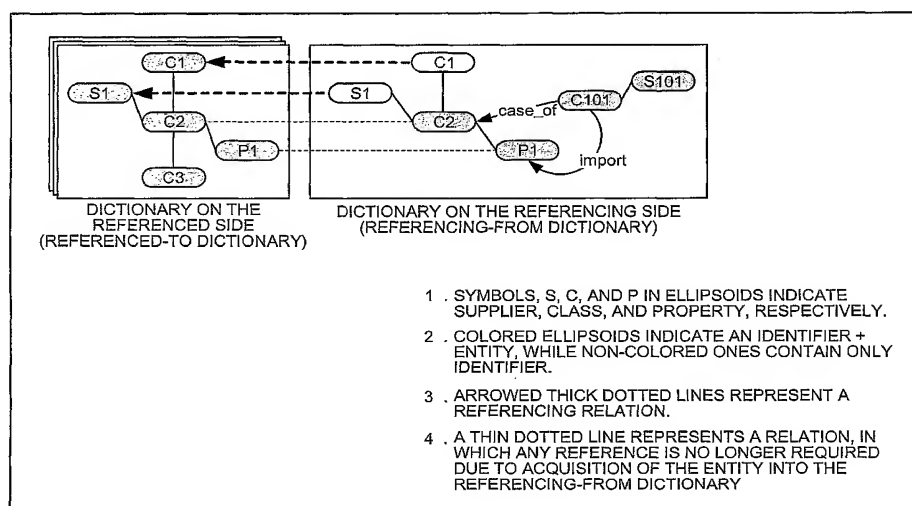
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT,
RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: DATABASE MANAGEMENT APPARATUS AND METHOD OF MANAGING DATABASE



(57) Abstract: Information on a referenced class or a referenced property is extracted from at least one referenced dictionary having a referencing relation with a referencing dictionary having the hierarchical structure, in which lower classes inherit the properties of upper classes; the extracted information is added to the referencing dictionary and organized; the extracted detailed information is outputted organized referencing dictionary. Thus, the detailed information on an imported property may be acquired simply at the side of the referencing dictionary. In addition, since only the information on the referenced class or property in the referenced dictionary is separately extracted, traffic of the dictionary data may be reduced, and the efficient inter-dictionary data exchange can be realized.

WO 2006/093333 A1



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.